

Converting Colors

$Yxy(76.6128, 0.2780, 0.3124)$

Have a look what the booklet for
Yxy(76.6128, 0.2780, 0.3124)
contains.

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Color

Yxy(76.4548, 0.2780, 0.3115)

Conversions

Conversions Part 1

Format	Color
Hex	C1E9F9
RGB	193, 233, 249
RGB Percent	76%, 91%, 98%
CMY	0.2430, 0.0863, 0.0237
CMYK	0.22, 0.06, 0.00, 0.02
HSL	197°, 82%, 87%
HSV	197°, 22%, 98%
XYZ	68.2325, 76.4548, 100.7534
YIQ	222.8640, -28.9760, -3.5040

Conversions

Conversions Part 2

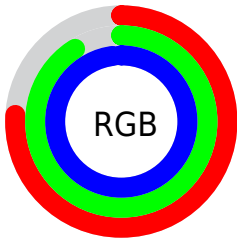
Format	Color
R _Y B	193, 216, 249
Decimal	12708345
CIE Lab	90.07, -9.50, -12.01
CIE LCh	90, 15.315, 231.670
Yxy	76.4548, 0.2780, 0.3115
Android (android.graphics.Color)	4290898425 (0xFFC1E9F9)
YUV	222.8640, 12.8850, -26.1907
Hunter-Lab	87.4384, -13.7249, -7.1117

Details

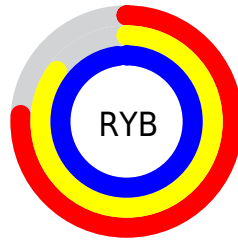
The Yxy color **76.4548, 0.2780, 0.3115** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.5885, 0.3553, 0.3458**, and the grayscale version is **73.6179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **40.6978, 0.2695, 0.3061** is the 20% darker color. If you saturate the color by 10%, you get **69.5124, 0.2630, 0.3025**, and if you desaturate by 10%, it is **84.1163, 0.2934, 0.3198**.

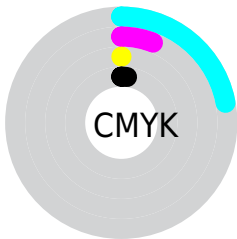
Distribution



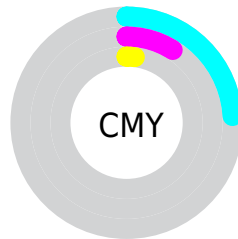
- Red (76%)
- Green (91%)
- Blue (98%)



- Red (76%)
- Yellow (85%)
- Blue (98%)



- Cyan (22%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



- Cyan (24%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4548, 0.2780, 0.3115 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 76.4548, 0.2780, 0.3115 by changing the saturation by 10% instead.

76.4548, 0.2780,
0.3115

76.4548, 0.2780,
0.3115

482.9031, 0.2937,
0.3197

56.8055, 0.2745,
0.3096

128.3696, 0.2834,
0.3144

40.8491, 0.2702,
0.3073

161.4039, 0.2855,
0.3155

28.2012, 0.2648,
0.3043

199.6686, 0.2873,
0.3164

18.4774, 0.2579,
0.3004

243.5483, 0.2889,
0.3173

11.2933, 0.2486,
0.2950

293.4271, 0.2904,
0.3180

6.2645, 0.2357,
0.2872

349.6896, 0.2916,

3.0065, 0.2163,

0.3186

0.2750

412.7202, 0.2927,
0.3192

■ 1.1352, 0.1848,
0.2535

■ 0.0078, 0.0000,
0.0091

■ 76.4548, 0.2780,
0.3115

■ 76.4548, 0.2780,
0.3115

■ 69.5124, 0.2630,
0.3025

■ 84.1163, 0.2934,
0.3198

■ 63.2504, 0.2488,
0.2929

■ 92.5150, 0.3089,
0.3273

■ 57.6399, 0.2358,
0.2827

■ 99.1852, 0.3162,
0.3341

■ 52.6462, 0.2242,
0.2721

■ 99.6174, 0.3162,
0.3348

■ 48.2302, 0.2144,
0.2612

■ 44.3472, 0.2066,
0.2503

■ 40.9437, 0.2009,
0.2395

■ 38.6357, 0.1976,
0.2314

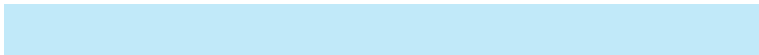
Harmonies

Analogous

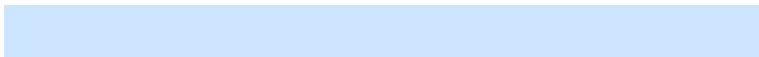
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4548, 0.2827, 0.3271



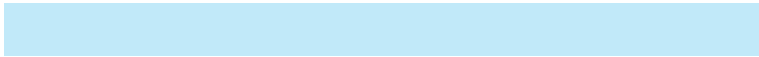
76.4548, 0.2780, 0.3115



76.4548, 0.2822, 0.3013

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.4548, 0.2780, 0.3115



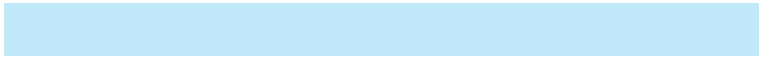
76.4548, 0.3299, 0.3148



76.4548, 0.3306, 0.3611

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



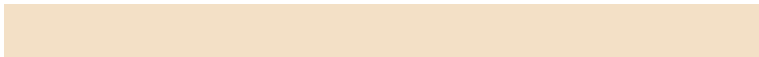
76.4548, 0.2780, 0.3115



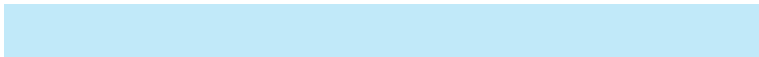
69.5885, 0.3553, 0.3458

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.4548, 0.3439, 0.3566



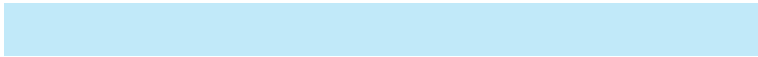
76.4548, 0.2780, 0.3115



76.4548, 0.3436, 0.3297

Square

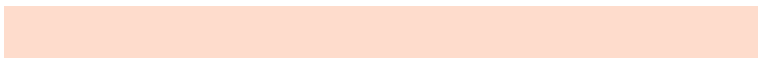
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4548, 0.2780, 0.3115



76.4548, 0.3118, 0.3035



76.4548, 0.3487, 0.3449



76.4548, 0.3128, 0.3565

Rectangle

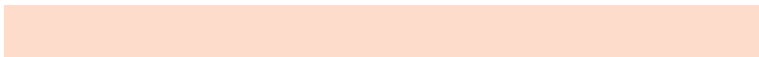
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



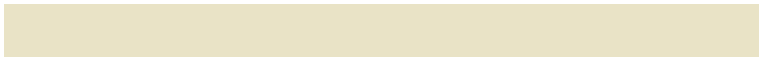
76.4548, 0.2780, 0.3115



76.4548, 0.2896, 0.2986



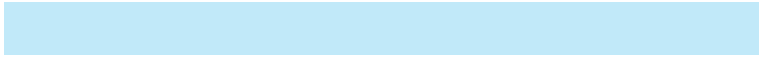
76.4548, 0.3487, 0.3449



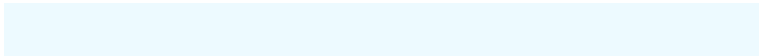
76.4548, 0.3358, 0.3605

Sweetspot

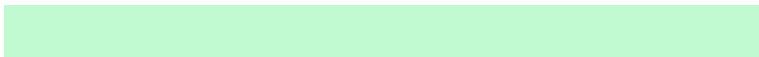
The Sweet Spot groups the original color and five complimentary colors.



76.4579, 0.2780, 0.3115



93.5622, 0.3019, 0.3240



83.6700, 0.3009, 0.3737



19.9113, 0.3009, 0.3235



0.0000, 0.0000, 0.0000



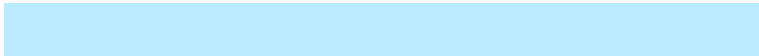
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.4579, 0.2780, 0.3115



77.2926, 0.2711, 0.3075



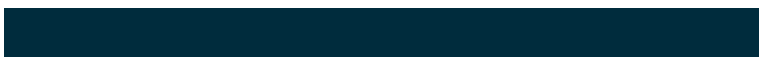
61.9179, 0.2756, 0.2799



18.7221, 0.2980, 0.3221



20.9423, 0.1981, 0.2332



2.1203, 0.2017, 0.2460

Inverse Universe

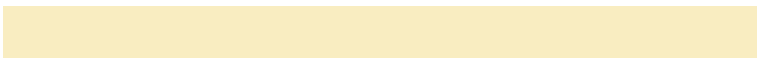
The Inverse Universe completely reimagines the original color for something new.



64.1741, 0.3271, 0.2882



62.4592, 0.3308, 0.2796



84.4655, 0.3492, 0.3737



17.4351, 0.3182, 0.3122



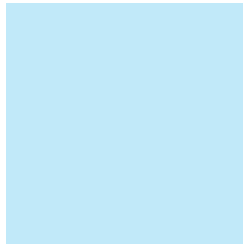
12.5250, 0.4093, 0.2029



1.1783, 0.3962, 0.1956

Previews

White Background



This preview shows how the Yxy color 76.4548, 0.2780, 0.3115 looks on a white background.

Color Contrast Check

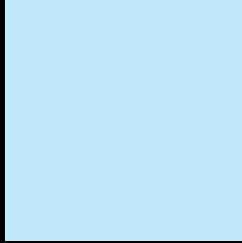
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 76.4548, 0.2780, 0.3115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

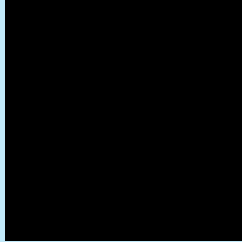
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.4548, 0.2780, 0.3115

Background



This preview shows how black text looks on a background with the Yxy color 76.4548, 0.2780, 0.3115.

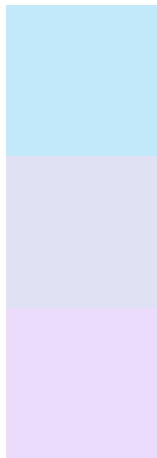


This preview shows how white text looks on a background with the Yxy color 76.4548, 0.2780, 0.3115.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

76.4548, 0.2780, 0.3115

Protanopia

76.3896, 0.3007, 0.3091

Deuteranopia

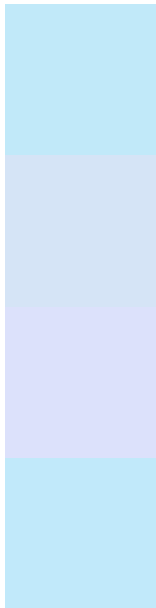
76.0475, 0.3032, 0.2965



Tritanopia

76.5803, 0.2769, 0.3093

Trichromacy



Original Color

76.4548, 0.2780, 0.3115

Protanomaly

76.2868, 0.2917, 0.3098

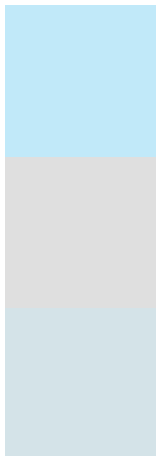
Deuteranomaly

76.0311, 0.2931, 0.3018

Tritanomaly

76.5174, 0.2774, 0.3104

Monochromacy



Original Color

76.4548, 0.2780, 0.3115

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.7614, 0.2994, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4548, 0.2780, 0.3115 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(193, 233, 249)` looks like.

```
.text, #text, p{  
    color:rgb(193, 233, 249)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(193, 233, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 233, 249) }
```

Border

The CSS property to change the border of an element to Yxy 76.4548, 0.2780, 0.3115 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(193, 233, 249) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(193, 233, 249) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(193, 233, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 233, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 233, 249);  
box-shadow:4px 4px 4px 4px rgb(193, 233,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4548, 0.2780, 0.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 233, 249) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(193,  
233, 249) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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